

Attorney Docket No. 30013630-14

PATENT

09/839646

IN THE UNITED STATES RECEIVING OFFICE UNDER  
THE PATENT COOPERATION TREATY

In re International Patent Application of: )

Dietrich Charisius, et al. )

Application No. PCT/US01/12847 )

Filed: 20 April 2001 )

For: METHODS AND SYSTEMS FOR  
SUPPORTING AND DEPLOYING  
DISTRIBUTED COMPUTING  
COMPONENTS )

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*Marina N. Saito*  
Marina N. Saito

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Box PCT/ISA/US  
Washington, D.C. 20231

REQUEST TO CORRECT ABSTRACT UNDER RULE 38.2(b)

Pursuant to Rule 38.2(b), Applicant respectfully requests that the text of the abstract included in the International Search Report mailed on July 9, 2001, be corrected as follows:

On Sheet 2, Box III, in the first line, Applicant respectfully submits that the word "presentr" should be "present." Also, in the first line of the Abstract Applicant respectfully submits that "FIG. 2, 200, 202, 204, 206, 208" should be "FIG. 20, 2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2016, 2018, 2020, 610." Moreover, Applicant respectfully submits that FIG. 20 should be published with the Abstract. "FIG. 20" identifies the improved software tool in relation to the code generated by the tool for a distributed computing component, as disclosed on pages 35-39 of the Specification. In lines 3-4 of the Abstract, Applicant respectfully submits that "FIG. 13, 1300, 1302, 1304" should be "FIG. 24, 2400, 2401, 2402, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2414, 2416, 2418, 2419, 2420, 2421, 2423, 2430, 2432, 2434, 2435, 2437, 2439, 2441, 2443, 2445, 2446, 2448, 2450, 2452." "FIG. 24" depicts the graphical representation of the code for the distributed computing component that is displayed by the tool with separately delineated display area for each type, as disclosed on pages 39-43 of the Specification. Finally, in the last line of the Abstract, Applicant respectfully submits that

"FIG. 19, 1900" should be "FIG. 38A, 3802, 3804, 3806, 3808, 3810, 3812, 3814, 3816, FIG. 38B, 3818, 3820, 3822, 3824, 3826, 3828, 3829, 3830, 3831, FIG. 38C, 3832, 3834, 3836, 3838, 3840, 3842, FIG. 38D, 3844, 3845, 3846, 3848, 3850, 3852, 3854, 3856, 3858, FIG. 38E, 3860, 3864, 3866, 3868, FIG. 38F, 3870, 3872, 3874, 3876, 3878, 3880." "FIGS. 38A-F" depict the method performed by tool to compile, deploy and debug the distributed computing component, as disclosed on page 48 of the Specification.

Enclosed is a copy of the Abstract with the typographical errors highlighted in yellow marker for your consideration.

In view of the foregoing remarks, Applicant requests that the examiner correct the Abstract prior to the publication of the above-referenced application.

Respectfully submitted,

Dated: August 3, 2001

By: Thomas J. Burton  
Thomas J. Burton  
Registration No. 47,464  
SONNENSCHN NATH & ROSENTHAL  
P.O. Box 061080  
Wacker Drive Station, Sears Tower  
Chicago, Illinois 60606-1080  
(312) 876-8000

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# PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

To:  
THOMAS J. BURTON  
SONNENSCHN NATH & ROSENTHAL  
P.O. BOX 061080  
WACKER DRIVE STATION, SEARS TOWER  
CHICAGO, IL 60606-1080

## PCT

### NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT OR THE DECLARATION

(PCT Rule 44.1)

Applicant's or agent's file reference 3001360-14	Date of Mailing (day/month/year) <b>09 JUL 2001</b>
International application No. PCT/US01/12847	International filing date (day/month/year) 20 April 2001 (20.04.2001)
Applicant TOGETHERSOFT CORPORATION	

1. ☒ The applicant is hereby notified that the international search report has been established and is transmitted herewith.  
**Filing of amendments and statement under Article 19:**  
 The applicant is entitled, if he so wishes, to amend the claims of the international application (see Rule 46):
- When?** The time limit for filing such amendments is normally 2 months from the date of transmittal of the international search report; however, for more details, see the notes on the accompanying sheet.
- Where?** Directly to the International Bureau of WIPO  
 34, chemin des Colombettes  
 1211 Geneva 20, Switzerland  
 Facsimile No.: (41-22) 740.14.35

For more detailed instructions, see the notes on the accompanying sheet.

2. ☐ The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith.
3. ☐ **With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:**
- ☐ the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.
- ☐ no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.

4. **Further action(s):** The applicant is reminded of the following:

Shortly after **18 months** from the priority date, the international application will be published by the International Bureau.  
 If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in rules 90 *bis* 1 and 90 *bis* 3, respectively, before the completion of the technical preparations for international publication.

Within **19 months** from the priority date, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later).

Within **20 months** from the priority date, the applicant must perform the prescribed acts for entry into the national phase before all designated Offices which have not been elected in the demand or in a later election within 19 months from the priority date or could not be elected because they are not bound by Chapter II.

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Name and mailing address of the ISA/US. Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231 Facsimile No. (703)305-3230	Authorized officer Mark R. Powell <i>James R. Matthews</i> Telephone No. (703) 308-3900
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Form PCT/ISA/220 (July 1998)

## PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 3001360-14	<b>FOR FURTHER ACTION</b>	see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.
International application No. PCT/US01/12847	International filing date ( <i>day/month/year</i> ) 20 April 2001 (20.04.2001)	(Earliest) Priority Date ( <i>day/month/year</i> ) 21 April 2000 (21.04.2000)
Applicant TOGETHERSOFT CORPORATION		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 4 sheets.



It is also accompanied by a copy of each prior art document cited in this report.

## 1. Basis of the Report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.



the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing:



contained in the international application in written form.



filed together with the international application in computer readable form.



furnished subsequently to this Authority in written form.



furnished subsequently to this Authority in computer readable form.



the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.



the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

2. ☐ Certain claims were found unsearchable (See Box I).

3. ☐ Unity of invention is lacking (See Box II).

4. With regard to the title,



the text is approved as submitted by the applicant.



the text has been established by this Authority to read as follows:

5. With regard to the abstract,



the text is approved as submitted by the applicant.



the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the drawings to be published with the abstract is Figure No. 2



as suggested by the applicant.



because the applicant failed to suggest a figure.



because this figure better characterizes the invention.



None of the figures

**Box III TEXT OF THE ABSTRACT (Continuation of Item 5 of the first sheet)**

Methods and systems consistent with the present invention (FIG. 2, 200, 202, 204, 206, 208) provide an improved software development tool that generates code corresponding to a distributed computing component that contains methods of a plurality of types and that displays a graphical representation of the code with a separately delineated display area for each type (FIG. 13, 1300, 1302, 1304). The improved software development tool also compiles, deploys, and debugs the distributed computing component with a client software component using methods and systems consistent with the present invention (FIG. 19, 1900).

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/US01/12847

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC(7) : G06F 9/445

US CL : 717/3

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 717/3; 707/13; 717/11

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
Internet - www.google.com & www.hotbot.comElectronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
Please See Continuation Sheet**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	Unified Modeling Language (UML) UML BOOCH & QMT Quick Reference for Rational Rose 4.0.	1-161
Y	Rational Rose Corporation, Rational Rose Release 4.0 (November 1996) "Using Rational Rose 4.0" Chapters 3-11, pages 11-207.	1-161
Y	Object-Oriented Software Engineering A Use Case Driven Approach (1996) Jacobson, Ivar, Part I Chapters 1-5, Part II Chapters 6-12, Part III Chapters 13-16, pages 1-500.	1-161
Y	UML Distilled Applying the Standard Modeling Language 1997 Martin Fowler with Kendall Scott, Chapters 1-11, pages 1-173.	1-161
Y	USPN 5,915,113 A (McDONALD ET AL.) 22 June 1999 (22.06.1999), see cols. 1-10.	1-161
Y	USPN 5,881,230 A (CHRISTENSEN ET AL.) 09 March 1999 (09.03.1999), see cols. 1-	1-161
Y	USPN 5,966,707 A (VAN HUBEN ET AL.) 12 October 1999 (12.10.1999) see cols. 1-20.	1-161
Y	USPN 5,819,092 A (FERGUSON ET AL.) 06 October 1998 (06.10.1998), see cols. 1-42.	1-161



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents:		"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A"	document defining the general state of the art which is not considered to be of particular relevance	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E"	earlier application or patent published on or after the international filing date	"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L"	document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&"	document member of the same patent family
"O"	document referring to an oral disclosure, use, exhibition or other means		
"P"	document published prior to the international filing date but later than the priority date claimed		

Date of the actual completion of the international search

June 02, 2001 (02.06.2001)

Date of mailing of the international search report

09 JUL 2001

Name and mailing address of the ISA/US

Commissioner of Patents and Trademarks  
Box PCT  
Washington, D.C. 20231

Facsimile No. (703)305-3230

Authorized officer

Mark R. Powell

Telephone No. (703) 308-3900

*James R. Matthews*

**Continuation of B. FIELDS SEARCHED Item3:**

WEST - US Patents Full-Text Database, US Pre-Grant Publication Full-Text Database, JPO Abstracts Database, EPO Abstracts Database, Derwent World Patents Index, IBM Technical Disclosure Bulletins.

Terms: version control systemt, language-neutral, etc., etc., etc. ...

**DOCKET NO. 30013630-14**

**T3B/bxf**

**8/03/01**

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**Applicant:  
Serial No.:  
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**Dietrich Charisius, et al.  
PCT/US01/12847  
April 20, 2001  
TogetherSoft Corporation**

**Title: "METHODS AND SYSTEMS FOR SUPPORTING AND DEPLOYING DISTRIBUTED  
COMPUTING COMPONENTS"**

- 1. Request to Correct Abstract Under Rule 38.2(b)**
- 2. Copy of PCT International Search Report**
- 3. Return Receipt Postcard**

**All mailed to the U.S. Patent and Trademark Office by Express Mail Label No.  
EL834556474US on August 3, 2001**